

Functions 2 - passing argument to a function

Functions allow us to reuse code, they also allow us to pass information (arguments) to functions to allow us to perform tasks, for example you can use a function to add two numbers together.

Start a new Python Trinket and give it a file name

```
/ My Trinkets / Untitled
```

Setup

```
#!/usr/bin/env python3 #use python 3
```

Listing 2

This is our function to add two numbers together

```
def add_numbers(x, z):  
    #print(x)  
    #print(z)  
    add = (int(x) + int(z))  
    print ( 'Total = ' )  
    print(add)
```

We now need to collect two numbers from the user

Listing 3

```
x = input("First Number") # ask for first number  
z = input("Second Number") # ask for second number
```

The abover collects the user input as a string, so we need to convert in to an integer (number) **Listing 4**

```
int(x)  
int(z)
```

Finally we call the function pass the values stored invariables x and z to the function.

Listing 5

```
add_numbers(x, z)
```

In the main function the line below can be changed to add, subtract, multiply or divide the two numbers.

Listing 6

```
add = (int(x) + int(z))
```